

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 04-368323

(43)Date of publication of application : 21.12.1992

---

(51)Int.Cl.

A61K 9/70

A61K 9/70

---

(21)Application number : 03-140283

(71)Applicant : SEKISUI CHEM CO LTD

(22)Date of filing : 12.06.1991

(72)Inventor : SHINJO TAKASHI  
KAKIMOTO NOBUHIRO

---

## (54) PLASTER

### (57)Abstract:

**PURPOSE:** To provide the subject plaster capable of improving the cohesive force of a self-adhesive layer without reducing the release rate of the drug component and capable of preventing, therefor, phenomenon such as separation during use or sizing agent residue after removal.

**CONSTITUTION:** On one side of a drug-impermeable substrate, self-adhesive layer containing (A) a self-adhesive composed of an acryl-, rubber-, silicone-based one, etc., (B) a medical drug, (C) an inorganic filler, preferably silicate anhydride and (D) a carboxylic group or amino group-containing polymer as the essential components in an amount of 0.1-40wt.% (B) and 1-20wt.% (C) based on the weight of the whole self-adhesive layer and 1-40 pts.wt. (D) based on 100 pts.wt. (A) is made. The cohesive force of the self-adhesive layer is improved by hydrogen bond between (D) and (B) and the fluidity of the whole self-adhesive layer can be prevented while keeping a high swollen state of the self-adhesive layer thereby, thus giving the objective medical plaster excellent in both drug release and self-adhesion.